

REPORT OF CHANNEL CONDITIONS (FOR CHANNELS 400 FEET WIDE OR GREATER) (ER 1130-2-316)						Page 1 of 3		
						Feb-2007		
TO: Director, Marine Division Jacksonville Port Authority, Jacksonville, FL			FROM USACE, District Engineer Attn: CESAJ-CO-OM Jacksonville, Florida					
RIVER/HARBOR NAME AND STATE Jacksonville Harbor, Duval County, FL			MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD					
NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Left Inside Quarter (feet)	Right Inside Quarter (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)				
St. Johns Bar Cut (East Section): Cut-3, from 2.1 miles seaward of red Buoy-4 landward to red Buoy-8	Oct-2006	800	3.5	42	40.0(1)	42.6	41.5	35.5
From red Buoy-8 to extended centerline of Mayport Navy Entrance Channel	Oct-2006	800	0.2	42	35.2(2)	35.8	41.6	47.2
(West Section), from extended centerline of Mayport Navy Entrance Channel to Pilot Town Cut @ green Buoy-11	Oct-2006	760	1.9	40	36.2(3)	42.4	39.5	34.1
Pilot Town Cut: Cut-4 thru 6, from green Buoy-11 to Mayport South Ferry Slip & Anchorage	Nov-2006	860-910	1	40	30.2(4)	42.7	43.0	43.2
Mayport Cut: Cut-7 & 8, from Mayport South Ferry Slip to red Buoy-18	Nov-2006	625-1030	0.7	40	42.5(5)	44.0	39.6	42.3
Sherman Cut: Cut-8, from red Buoy- 18 to red Buoy-20	Nov-2006	625	0.3	40	43.2(6)	42.9	42.7	32.9
Mile Point Lower Range and Turn: Cut-9 thru 13, from red Buoy-20 to red Buoy-24	Dec-2006	625	0.9	40	41.3(7)	42.1	40.6	29.6
Training Wall Reach: Cut-13 thru 16, from red Buoy-24 to green Buoy- 25	Dec-2006	475-625	1.4	40	41.4(8)	41.5	41.8	41.2
Short Cut Turn: Cut-17 thru 19, from green Buoy-25 to green Buoy-27	Dec-2006	575	0.6	40	41.8(9)	41.9	42.5	41.9
White Shells Cut: Cut-39 & 40, from green Buoy-27 to red Buoy-34	Dec-2006	575-900	0.8	40	39.5(10)	41.9	41.7	42.2
St. Johns Bluff Reach: Cut-40 & 41, from red Buoy-34 to green Buoy-35 and East Blount Island Channel Widener	Dec-2006	600-750	0.9	40	38.7(11)	41.6	41.2	37.5
Dames Pt-Fulton Cutoff: Cut-42, from 500 feet east of red Buoy-36 to Junction with Dames Point Bridge	Dec-2006	475-837	2.9	40	38.2(12)	40.7	41.9	42.0
Dames Pt Turn thru Quarantine Isl Upper Range: Cut-43 & 44, from Dames Point Bridge to 150 feet north of green Buoy-51	Feb-2007	525-1175	1.3	40	40.0(13)	42.9	42.5	40.9

ENG FORM 4021-R, NOV 90	EDITION OF JUL 59 IS OBSOLETE	(Proponent:CECW-OW)
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NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Left Inside Quarter (feet)	Right Inside Quarter (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)				

Brills Cut: Cut-45 & 46, from 150 feet north of green Buoy-51 to green Buoy-55	Feb-2007	425-600	1.2	40	38.6(14)	42.1	42.0	40.3
Broward Pt Turn: Cut-47 thru 49, from green Buoy-55 to 400 feet east of green Buoy-59	Feb-2007	490-830	0.9	40	20.6(15)	41.0	42.8	41.7
Drummond Creek Range: Cut-50, from 400 feet east of green Buoy-59 to opposite green Buoy-59	Feb-2007	375-490	0.1	40	34.1(16)	39.8	37.7	32.6
Drummond Creek Range: Cut-50, from opposite green Buoy-59 to 1,200 feet north of green Buoy-63	Feb-2007	400-865	1.4	38	36.4(17)	40.4	41.3	38.6
Trout River Cut: Cut-51, from 1,200 feet north of green Buoy-63 to 200 feet south of red Buoy-68	Feb-2007	400-860	1.1	38	35.8(18)	41.4	41.3	38.6
Chaseville Turn: Cut-52 thru 54, from 200 feet south of Red Buoy-68 to approximately 700 feet south of Green Buoy-71	Feb-2007	450-800	0.7	38	31.2(19)	39.0	37.0	36.4
Long Branch Range: Cut-55, from 700 feet south of Green Buoy-71 to Terminal Channel	Nov-2006	650-1340	0.8	38	37.0(20)	39.0	39.7	38.7
Terminal Channel: from beginning of Terminal Channel to 600 feet south of green lighted Buoy-75	Nov-2006	575-1340	1.2	38	36.1(21)	39.5	40.2	36.8
Terminal Channel, from 600 feet south of green lighted Buoy-75 to red lighted Buoy-78	Nov-2006	575	0.6	34	27.3(22)	33.1	33.5	31.9
Terminal Channel: from red Buoy-78 to the Hart Bridge at Commodore Point	Nov-2006	575-1100	1.7	34	26.0(23)	31.5	32.1	31.7
Terminal Channel: from the Hart Bridge at Commodore Point northerly to end of project	Nov-2006	559-1184	0.3	30	27.4(24)	31.7	31.2	27.4
Blount Island Channel: Cut-F & G, from 200 feet south of Blount Island bridge to the junction of Cut-42 (Dames Pt-Fulton Cutoff Range)	Dec-2006	300-1000	2	38	28.2(25)	33.8	33.3	32.9

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Widener: Dames Pt-Fulton Cutoff Range (Cut-42) & Blount Island Channel (Cut-G)	Feb-2007	0-1060	0.3	38	41.8(26)	41.1	38.9	40.0
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Blount Island East Channel; Cut-A	Feb-2007	300	1	30	16.9(27)	22.5	23.3	21.2
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**Remarks:**

Survey #07-012

1. Shoaling along north side of channel extending from 2,000 feet east to 2,500 feet west of red Red Buoy-4. Shoaling is also found along south side of channel from 1,300 feet east to 2,000 feet west of Green Buoy-3. Shoaling extends into channel a maximum of 200 feet from either edge.
2. Shoaling in vicinity of Green Buoy-7 extending 300 feet into channel.
3. Shoal located in vicinity of Red Buoy-10
4. Shoaling located on southern portion of cuts 4, 5, & 6. Shoals continue throughout turn and into channel approximately 90 feet in some areas. Least depths occur in cut-5.
5. Shoaling located in vicinity of Red Buoy-18.
6. Shoaling into the turn at Red Buoy-20.
7. Shoaling located in the vicinity of Red Buoy-20 continues westward for 1,250 feet and into channel 150 feet in some areas.
8. Depths are to project depth or deeper in this reach.
9. Depths are to project depth or deeper in this reach.
10. Depths are to project depth or deeper in this reach.
11. Depths are to project depth or deeper in this reach.
12. Shoal located on the southern edge of channel in Dames Pt. Fulton Cut off/Cut-42 near Red Buoy-43.
13. Depths are to project depth or deeper in this reach.
14. Shoaling on southern edge of channel in vicinity of Green Buoy-55.
15. Significant shoaling on the southern portion of this reach extends from Green Buoy-55 to Green Buoy-57. Shoals extend into channel a maximum of 200 feet in some areas.
16. Significant shoaling on northern edge of channel in vicinity of Red Buoy-58. Shoals extend into channel approximately 200 feet.
17. Shoaling located southeast of Green Buoy-61.
18. Shoaling located south of Green Buoy-61 extends south along the edge of channel 1,500 feet.
19. Shoaling on edges of Chaseville Turn extending into channel 200 feet.
20. Depths are to project depth or deeper in this reach.
21. Spot Shoal on edge of channel south of Green Buoy-75.
22. Significant shoaling located near Red Buoy-77. Shoals extend into channel 200 feet on both sides.
23. Significant shoaling encompasses entire reach.
24. Shoals located on the outer edges of channel.
25. Significant shoals encompass entire channel in Cut G.
26. Depths are to project depth or deeper in this reach
27. Shoaling throughout most of this reach.